

Pollutant	Actual Annual Emissions (ton/yr)	Projected Future Emissions (ton/yr)	Emissions Increases Increase (ton/yr)
Boiler 1 &2 Stacks			
PM ₁₀	281.53	291.25	9.72
SO ₂	3,586.19	3,586.19	0.00
NO _x	25,143.82	25,143.82	0.00
CO	1,317.04	1,394.86	77.56
VOC	11.52	12.21	0.69
Other Sources (including fugitives)			
PM ₁₀	539.19	539.22	0.03
SO ₂	0.12	0.12	0.00
NO _x	0.15	0.15	0.00
CO	0.02	0.02	0.00
VOC (HAPs and non-HAPs)	0.29	0.29	0.00

III. BEST AVAILABLE CONTROL TECHNOLOGY (BACT) ANALYSIS

BACT applies to each emission point.

This review did not trigger PSD review.

There will a new emission point - two helper cooling towers at this site as a result of this modification.

BACT for the helper cooling towers is the use of demistifier with 0.0015% drift per 1000 gallons of circulating water.

BACT analysis performed in previous engineering reviews apply to this modification.

Since the facility already has low-NO_x burners, it is possible to stay below significant net increases in NO_x with minor adjustments in how coal is combusted, i.e., biased firing, such as burners-in-service arrangement, excess air, frequency of soot-blowing, etc. and adding of superheat tubes to eliminate transient temperature anomalies and provide stable and efficient operation at the new higher rating"

IV. APPLICABILITY OF FEDERAL REGULATIONS AND UTAH ADMINISTRATIVE CODES (UAC)

The Notice of Intent submitted is for an existing source. It is not a new major source or a major modification. At the time of this review the Utah Administrative Code Rules 307 (UAC R307) and federal regulations have been examined to determine their applicability to this Notice of Intent. The following rules have been specifically addressed.

1. R307-101-2, Modification